

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935432

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

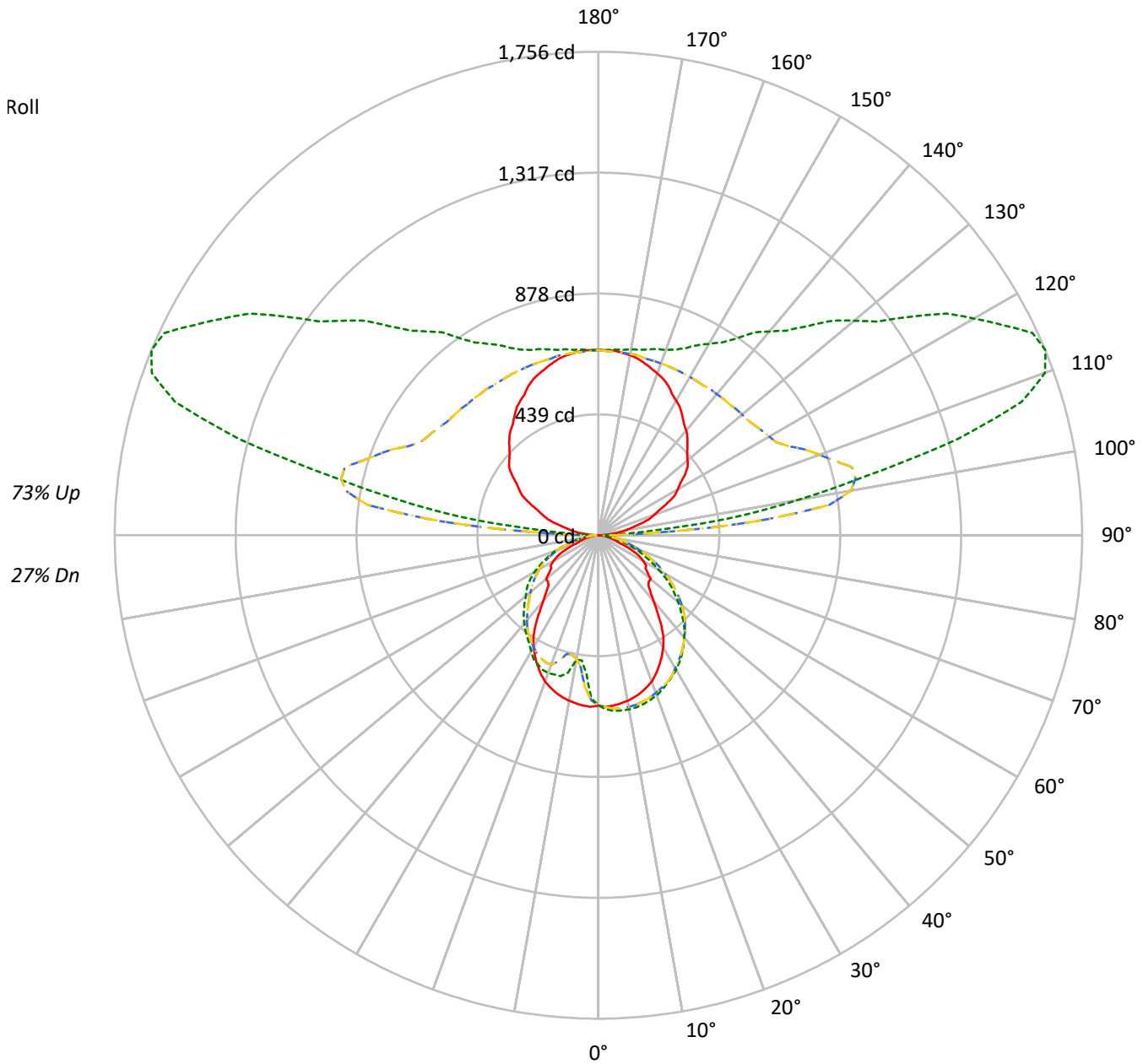
Test Method: LM-79-2019  
Report Number: P935432  
REPORT IS A COMBINATION OF REPORTS P933754 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5966.5 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 47.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935432  
CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27			27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23			23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19			19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16			16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14			14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12			12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10			10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9			9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8			8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7			7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7			7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5736	5736	5736	5736
5°	5773	5790	5773	4553
10°	5728	5704	5728	4078
15°	5659	5581	5659	4659
20°	5534	5433	5534	4669
25°	5286	5220	5286	4571
30°	4966	5043	4966	4353
35°	4421	4819	4421	4114
40°	3677	4556	3677	3935
45°	3279	4246	3279	3727
50°	3477	3878	3477	3518
55°	3261	3481	3261	3398
60°	3351	2956	3351	3113
65°	3022	2444	3022	2731
70°	2079	1948	2079	2290
75°	1800	1439	1800	1724
80°	1423	953	1423	1036
85°	770	504	770	429

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5036 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.8	0.9
10°-20°	158.4	2.7
20°-30°	244.9	4.1
30°-40°	292.4	4.9
40°-50°	294.1	4.9
50°-60°	255.9	4.3
60°-70°	181.4	3.0
70°-80°	96.0	1.6
80°-90°	26.5	0.4
90°-100°	327.9	5.5
100°-110°	862.1	14.4
110°-120°	893.9	15.0
120°-130°	717.0	12.0
130°-140°	562.6	9.4
140°-150°	431.8	7.2
150°-160°	311.0	5.2
160°-170°	190.3	3.2
170°-180°	64.3	1.1
0°-30°	459.1	7.7
0°-40°	751.5	12.6
0°-60°	1301.5	21.8
0°-90°	1605.4	26.9
90°-120°	2084.0	34.9
90°-150°	3795.5	63.6
90°-180°	4361.0	73.1
0°-180°	5966.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	618	618	618	618	618	
5°	621	640	621	504	621	59
15°	593	635	593	530	593	167
25°	522	592	522	518	522	240
35°	397	528	397	451	397	246
45°	256	435	256	382	256	205
55°	209	321	209	314	209	192
65°	145	194	145	216	145	139
75°	55	92	55	110	55	58
85°	9	23	9	20	9	13
90°	4	17	4	17	4	4
95°	43	198	43	198	43	48
105°	155	1350	155	1350	155	165
115°	276	1738	276	1738	276	272
125°	384	1384	384	1384	384	341
135°	457	1074	457	1074	457	354
145°	530	871	530	871	530	332
155°	600	750	600	750	600	276
165°	647	699	647	699	647	183
175°	673	677	673	677	673	64
180°	673	673	673	673	673	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	623.4	623.4	626.9	628.1	628.1	626.4	624.6	626.4	631.6	633.4	632.7
5°	621.1	625.8	632.2	633.4	634.6	634.0	632.7	634.0	639.8	640.9	641.6
7.5°	616.4	625.2	633.4	635.1	636.8	635.1	634.6	635.7	641.6	642.7	642.7
10°	610.6	622.8	632.2	633.4	635.1	633.4	633.4	635.7	641.6	642.7	643.3
12.5°	602.4	619.3	628.1	629.3	631.6	631.0	630.5	632.7	638.7	639.8	639.8
15°	593.0	612.9	621.1	622.3	626.4	625.2	625.2	627.5	634.0	635.7	635.1
17.5°	580.2	604.8	614.1	615.8	618.8	618.2	618.8	621.1	626.9	628.1	628.7
20°	565.5	593.6	604.8	606.5	609.4	609.4	609.4	612.3	618.2	620.5	620.5
22.5°	545.6	581.9	593.6	594.8	598.3	598.3	599.4	603.5	608.8	609.4	609.4
25°	522.3	569.0	578.9	582.5	586.0	587.8	589.5	591.8	593.6	593.0	593.6
27.5°	497.7	552.7	565.5	567.9	572.6	574.3	576.7	577.2	577.8	579.6	578.4
30°	470.2	529.8	549.1	551.5	559.1	560.3	557.9	559.1	562.0	563.2	564.4
32.5°	439.2	495.9	532.2	537.4	544.5	541.0	540.4	542.1	546.9	546.9	548.0
35°	397.1	469.6	516.4	521.1	526.4	522.3	524.6	525.1	528.1	529.8	529.2
37.5°	350.9	446.8	500.0	503.5	507.6	502.4	505.9	507.6	510.0	508.8	508.8
40°	309.9	411.2	480.8	483.1	486.6	482.5	486.0	487.2	488.3	487.2	486.6
42.5°	279.6	371.9	460.3	463.2	460.9	463.7	465.0	467.3	465.5	463.2	463.2
45°	256.1	361.5	438.0	441.5	438.0	442.7	444.5	444.5	439.2	438.0	437.4
47.5°	248.5	340.4	415.8	415.8	414.0	419.9	422.8	418.8	413.5	411.7	411.7
50°	248.0	317.0	385.4	383.1	391.3	398.3	395.4	391.3	387.2	380.7	380.7
52.5°	225.2	288.3	346.2	355.0	367.8	371.9	367.3	363.2	356.1	353.3	350.9
55°	208.8	258.5	310.5	328.1	341.6	346.8	338.0	333.9	323.4	321.7	320.5
57.5°	205.3	215.2	277.8	300.0	316.4	315.9	310.5	302.9	294.1	292.4	291.9
60°	188.4	155.6	242.7	269.0	285.9	284.2	279.6	272.5	264.3	263.2	262.0
62.5°	170.7	112.8	202.9	232.7	256.7	256.1	252.1	241.6	235.7	232.7	230.4
65°	145.0	94.7	144.5	193.6	228.1	229.3	220.5	212.9	206.4	202.9	202.3
67.5°	110.6	77.2	97.7	161.4	200.6	199.4	188.4	184.8	176.6	174.8	171.4
70°	81.9	51.5	67.8	131.0	173.7	170.7	162.0	157.9	150.3	146.2	143.9
72.5°	67.8	41.5	49.7	101.8	146.2	142.7	135.1	130.5	124.0	120.5	118.2
75°	54.9	43.9	38.0	75.4	118.7	116.4	109.4	104.6	99.4	94.7	95.3
77.5°	40.4	40.9	30.4	55.5	94.2	90.7	86.6	80.8	78.4	73.7	73.7
80°	30.4	32.2	22.8	38.0	67.8	67.8	64.4	60.3	56.2	53.8	53.8
82.5°	20.5	20.5	16.9	24.0	46.2	44.5	42.1	40.9	38.6	37.4	37.4
85°	9.3	11.7	10.6	14.7	25.1	26.3	26.3	25.1	24.6	23.4	24.0
87.5°	3.0	5.2	6.5	8.2	12.9	13.4	14.0	14.0	14.0	14.7	14.7
90°	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8	17.2	17.2
92.5°	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6	85.8	82.4
95°	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5	291.3	280.9
97.5°	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9	672.3	652.6
100°	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9	944.1	920.6
102.5°	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8	1176.2	1156.1
105°	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4	1447.1	1436.2
107.5°	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3	1587.9	1590.5
110°	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3	1624.1	1635.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3	1601.1	1618.3
115°	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8	1522.9	1546.8
117.5°	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5	1415.0	1441.5
120°	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6	1342.3	1368.1
122.5°	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7	1269.6	1295.1
125°	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7	1173.4	1196.9
127.5°	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2	1096.2	1116.0
130°	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4	1047.5	1065.7
132.5°	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7	1006.0	1022.3
135°	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8	947.3	961.4
137.5°	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5	903.9	915.4
140°	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4	869.2	880.0
142.5°	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1	844.7	854.0
145°	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2	808.2	815.3
147.5°	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7	777.5	783.3
150°	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0	759.9	764.6
152.5°	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6	745.9	749.4
155°	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5	729.2	731.5
157.5°	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9	714.7	716.4
160°	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0	707.5	708.4
162.5°	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6	700.8	701.6
165°	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6	690.3	691.3
167.5°	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1	685.9	686.3
170°	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1	685.9	685.9
172.5°	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7	682.2	681.8
175°	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3	677.2	677.2
177.5°	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1	676.3	675.9
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	634.0	632.2	634.0	632.7	633.4	631.6	626.4	624.6	626.4	628.1	628.1
5°	641.6	640.4	641.6	641.6	640.9	639.8	634.0	632.7	634.0	634.6	633.4
7.5°	643.9	642.2	643.9	642.7	642.7	641.6	635.7	634.6	635.1	636.8	635.1
10°	643.9	642.2	643.9	643.3	642.7	641.6	635.7	633.4	633.4	635.1	633.4
12.5°	640.9	639.8	640.9	639.8	639.8	638.7	632.7	630.5	631.0	631.6	629.3
15°	636.3	634.6	636.3	635.1	635.7	634.0	627.5	625.2	625.2	626.4	622.3
17.5°	629.3	626.9	629.3	628.7	628.1	626.9	621.1	618.8	618.2	618.8	615.8
20°	621.1	619.3	621.1	620.5	620.5	618.2	612.3	609.4	609.4	609.4	606.5
22.5°	608.2	606.5	608.2	609.4	609.4	608.8	603.5	599.4	598.3	598.3	594.8
25°	593.6	591.8	593.6	593.6	593.0	593.6	591.8	589.5	587.8	586.0	582.5
27.5°	579.6	578.4	579.6	578.4	579.6	577.8	577.2	576.7	574.3	572.6	567.9
30°	565.5	564.4	565.5	564.4	563.2	562.0	559.1	557.9	560.3	559.1	551.5
32.5°	548.0	546.9	548.0	548.0	546.9	546.9	542.1	540.4	541.0	544.5	537.4
35°	529.8	528.1	529.8	529.2	529.8	528.1	525.1	524.6	522.3	526.4	521.1
37.5°	508.8	507.1	508.8	508.8	508.8	510.0	507.6	505.9	502.4	507.6	503.5
40°	487.2	484.9	487.2	486.6	487.2	488.3	487.2	486.0	482.5	486.6	483.1
42.5°	462.6	462.0	462.6	463.2	463.2	465.5	467.3	465.0	463.7	460.9	463.2
45°	436.3	435.1	436.3	437.4	438.0	439.2	444.5	444.5	442.7	438.0	441.5
47.5°	408.2	405.3	408.2	411.7	411.7	413.5	418.8	422.8	419.9	414.0	415.8
50°	378.4	379.0	378.4	380.7	380.7	387.2	391.3	395.4	398.3	391.3	383.1
52.5°	349.2	348.6	349.2	350.9	353.3	356.1	363.2	367.3	371.9	367.8	355.0
55°	319.9	321.1	319.9	320.5	321.7	323.4	333.9	338.0	346.8	341.6	328.1
57.5°	290.6	288.9	290.6	291.9	292.4	294.1	302.9	310.5	315.9	316.4	300.0
60°	256.7	254.4	256.7	262.0	263.2	264.3	272.5	279.6	284.2	285.9	269.0
62.5°	226.9	222.8	226.9	230.4	232.7	235.7	241.6	252.1	256.1	256.7	232.7
65°	195.3	193.6	195.3	202.3	202.9	206.4	212.9	220.5	229.3	228.1	193.6
67.5°	166.6	166.6	166.6	171.4	174.8	176.6	184.8	188.4	199.4	200.6	161.4
70°	140.4	139.8	140.4	143.9	146.2	150.3	157.9	162.0	170.7	173.7	131.0
72.5°	115.2	114.6	115.2	118.2	120.5	124.0	130.5	135.1	142.7	146.2	101.8
75°	93.0	91.8	93.0	95.3	94.7	99.4	104.6	109.4	116.4	118.7	75.4
77.5°	71.3	71.3	71.3	73.7	73.7	78.4	80.8	86.6	90.7	94.2	55.5
80°	53.2	52.7	53.2	53.8	53.8	56.2	60.3	64.4	67.8	67.8	38.0
82.5°	37.4	36.3	37.4	37.4	37.4	38.6	40.9	42.1	44.5	46.2	24.0
85°	23.4	23.4	23.4	24.0	23.4	24.6	25.1	26.3	26.3	25.1	14.7
87.5°	15.2	14.7	15.2	14.7	14.7	14.0	14.0	14.0	13.4	12.9	8.2
90°	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5	19.9	12.6
92.5°	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7	122.5	87.1
95°	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0	301.5	169.8
97.5°	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8	406.0	186.4
100°	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0	444.1	200.5
102.5°	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1	461.6	214.4
105°	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6	474.6	235.3
107.5°	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3	477.0	266.0
110°	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0	473.3	283.1





TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6	473.4	303.8
115°	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2	477.9	335.0
117.5°	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7	486.8	365.3
120°	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1	494.0	382.9
122.5°	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6	504.4	403.7
125°	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7	518.3	430.3
127.5°	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1	532.3	456.0
130°	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1	542.6	473.2
132.5°	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7	550.9	487.2
135°	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1	559.8	503.4
137.5°	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0	573.4	524.2
140°	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7	581.7	538.2
142.5°	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0	588.6	548.6
145°	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0	597.6	564.4
147.5°	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4	610.9	584.3
150°	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7	617.8	594.6
152.5°	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2	622.4	601.4
155°	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5	632.2	616.3
157.5°	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8	642.2	631.2
160°	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3	646.7	638.0
162.5°	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0	651.5	645.2
165°	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2	658.5	655.6
167.5°	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1	663.9	661.4
170°	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6	668.4	668.2
172.5°	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5	671.4	672.8
177.5°	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2	671.7	672.8
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	626.9	623.4	623.4	617.6	615.2	613.5	610.6	601.8	599.4	597.1	600.7
5°	632.2	625.8	621.1	610.6	601.8	598.3	587.1	566.1	552.1	541.5	535.7
7.5°	633.4	625.2	616.4	600.0	578.9	569.6	535.7	497.1	486.6	477.3	471.3
10°	632.2	622.8	610.6	586.0	536.3	519.9	486.0	460.9	454.4	452.7	454.4
12.5°	628.1	619.3	602.4	561.4	491.8	480.8	460.9	446.2	445.1	448.0	463.7
15°	621.1	612.9	593.0	528.7	467.3	459.1	445.1	439.8	446.2	466.7	514.1
17.5°	614.1	604.8	580.2	496.5	448.6	442.7	432.8	443.3	479.5	507.1	522.9
20°	604.8	593.6	565.5	473.2	435.1	429.8	425.2	472.6	500.0	510.0	518.8
22.5°	593.6	581.9	545.6	456.8	421.1	417.0	419.9	488.9	500.0	507.1	514.7
25°	578.9	569.0	522.3	443.9	409.9	405.3	416.4	487.2	493.6	495.3	510.6
27.5°	565.5	552.7	497.7	432.2	396.5	394.8	419.4	479.5	484.2	486.0	502.4
30°	549.1	529.8	470.2	419.9	382.5	381.9	419.9	470.2	469.1	473.7	490.1
32.5°	532.2	495.9	439.2	404.7	369.0	368.4	415.8	456.2	455.0	461.4	473.7
35°	516.4	469.6	397.1	387.2	352.0	352.7	405.8	439.8	440.4	446.2	453.8
37.5°	500.0	446.8	350.9	367.8	335.7	335.7	392.4	424.6	423.5	425.2	435.7
40°	480.8	411.2	309.9	342.7	320.5	318.7	376.0	408.2	404.1	403.6	418.1
42.5°	460.3	371.9	279.6	309.4	302.9	300.6	356.1	388.3	380.7	382.5	401.2
45°	438.0	361.5	256.1	261.4	284.8	283.1	334.5	365.6	360.2	364.9	384.2
47.5°	415.8	340.4	248.5	217.0	265.5	264.9	310.5	343.3	340.4	345.1	365.6
50°	385.4	317.0	248.0	186.0	243.9	246.2	281.9	321.7	321.7	325.8	347.4
52.5°	346.2	288.3	225.2	168.4	218.7	225.8	256.7	302.9	304.1	308.2	327.5
55°	310.5	258.5	208.8	155.0	188.9	204.1	232.1	283.7	285.9	290.0	307.7
57.5°	277.8	215.2	205.3	139.2	161.4	176.1	210.5	264.9	266.1	269.6	286.6
60°	242.7	155.6	188.4	122.3	137.4	148.5	190.6	242.7	246.8	249.1	263.8
62.5°	202.9	112.8	170.7	110.6	125.7	128.1	174.3	221.7	226.9	228.6	237.5
65°	144.5	94.7	145.0	100.6	113.5	114.1	156.7	200.0	204.7	207.6	214.1
67.5°	97.7	77.2	110.6	91.2	104.1	104.6	139.8	174.8	181.3	183.7	187.7
70°	67.8	51.5	81.9	81.3	93.6	94.7	121.6	152.1	157.9	159.7	162.0
72.5°	49.7	41.5	67.8	73.1	82.5	83.6	102.9	126.4	132.2	133.9	135.1
75°	38.0	43.9	54.9	63.7	70.2	70.7	84.2	102.9	107.0	108.2	108.7
77.5°	30.4	40.9	40.4	51.5	57.3	56.2	66.1	79.5	83.0	83.0	83.0
80°	22.8	32.2	30.4	36.9	42.1	40.9	47.4	56.8	57.9	59.0	58.5
82.5°	16.9	20.5	20.5	23.4	28.1	26.9	31.6	36.9	36.9	36.9	38.0
85°	10.6	11.7	9.3	12.3	15.8	15.2	17.5	19.9	20.5	20.5	19.3
87.5°	6.5	5.2	3.0	4.7	7.0	7.0	8.2	8.8	8.2	8.2	8.2
90°	11.8	8.1	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8
92.5°	79.4	48.7	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6
95°	155.7	99.5	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5
97.5°	174.1	124.4	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9
100°	189.2	144.3	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9
102.5°	204.0	162.0	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8
105°	226.4	190.9	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4
107.5°	257.7	224.5	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3
110°	275.6	245.7	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3



TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	296.7	268.2	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3
115°	328.5	302.2	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8
117.5°	359.4	335.5	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5
120°	377.3	354.8	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6
122.5°	398.0	375.3	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7
125°	425.1	404.4	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7
127.5°	450.8	429.9	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2
130°	467.6	445.1	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4
132.5°	481.6	459.1	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7
135°	498.3	477.9	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8
137.5°	519.1	498.8	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5
140°	533.5	514.8	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4
142.5°	544.2	527.0	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1
145°	560.6	545.5	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2
147.5°	580.6	566.0	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7
150°	591.3	578.1	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0
152.5°	598.9	588.9	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6
155°	614.4	607.0	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5
157.5°	629.3	622.2	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9
160°	636.6	630.9	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0
162.5°	644.2	639.9	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6
165°	654.6	650.8	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6
167.5°	661.0	659.2	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1
170°	667.8	666.0	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1
172.5°	668.6	668.2	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7
175°	672.8	672.8	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3
177.5°	672.8	672.8	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	596.6	594.8	597.1	590.7	597.1	594.8	596.6	600.7	597.1	599.4	601.8
5°	523.4	520.5	511.2	503.5	511.2	520.5	523.4	535.7	541.5	552.1	566.1
7.5°	467.8	465.5	463.2	458.5	463.2	465.5	467.8	471.3	477.3	486.6	497.1
10°	455.6	456.2	459.6	459.1	459.6	456.2	455.6	454.4	452.7	454.4	460.9
12.5°	487.2	492.4	511.7	510.6	511.7	492.4	487.2	463.7	448.0	445.1	446.2
15°	523.4	525.1	529.2	529.8	529.2	525.1	523.4	514.1	466.7	446.2	439.8
17.5°	527.0	527.5	530.5	530.5	530.5	527.5	527.0	522.9	507.1	479.5	443.3
20°	524.0	525.1	531.1	532.2	531.1	525.1	524.0	518.8	510.0	500.0	472.6
22.5°	522.9	525.1	529.8	529.2	529.8	525.1	522.9	514.7	507.1	500.0	488.9
25°	517.0	517.0	517.6	518.2	517.6	517.0	517.0	510.6	495.3	493.6	487.2
27.5°	504.7	505.9	509.4	508.8	509.4	505.9	504.7	502.4	486.0	484.2	479.5
30°	493.6	492.4	489.5	487.2	489.5	492.4	493.6	490.1	473.7	469.1	470.2
32.5°	474.9	471.9	469.1	467.3	469.1	471.9	474.9	473.7	461.4	455.0	456.2
35°	452.7	453.3	452.7	450.9	452.7	453.3	452.7	453.8	446.2	440.4	439.8
37.5°	436.9	438.0	437.4	435.1	437.4	438.0	436.9	435.7	425.2	423.5	424.6
40°	420.5	421.1	420.5	418.8	420.5	421.1	420.5	418.1	403.6	404.1	408.2
42.5°	404.7	404.1	402.4	401.2	402.4	404.1	404.7	401.2	382.5	380.7	388.3
45°	386.6	387.2	383.6	381.9	383.6	387.2	386.6	384.2	364.9	360.2	365.6
47.5°	368.4	368.4	365.6	363.7	365.6	368.4	368.4	365.6	345.1	340.4	343.3
50°	349.2	348.6	344.5	343.8	344.5	348.6	349.2	347.4	325.8	321.7	321.7
52.5°	326.9	326.9	327.5	328.7	327.5	326.9	326.9	327.5	308.2	304.1	302.9
55°	307.7	308.2	312.3	313.5	312.3	308.2	307.7	307.7	290.0	285.9	283.7
57.5°	287.8	287.8	290.6	290.6	290.6	287.8	287.8	286.6	269.6	266.1	264.9
60°	264.9	266.1	268.4	267.9	268.4	266.1	264.9	263.8	249.1	246.8	242.7
62.5°	240.9	242.2	242.7	241.6	242.7	242.2	240.9	237.5	228.6	226.9	221.7
65°	215.8	217.0	217.6	216.4	217.6	217.0	215.8	214.1	207.6	204.7	200.0
67.5°	190.1	189.5	188.9	191.2	188.9	189.5	190.1	187.7	183.7	181.3	174.8
70°	163.8	163.8	163.2	164.4	163.2	163.8	163.8	162.0	159.7	157.9	152.1
72.5°	135.7	135.1	137.4	135.7	137.4	135.1	135.7	135.1	133.9	132.2	126.4
75°	108.2	109.4	108.2	110.0	108.2	109.4	108.2	108.7	108.2	107.0	102.9
77.5°	82.5	83.6	82.5	82.5	82.5	83.6	82.5	83.0	83.0	83.0	79.5
80°	58.5	57.9	57.9	57.3	57.9	57.9	58.5	58.5	59.0	57.9	56.8
82.5°	37.4	36.9	36.9	38.0	36.9	36.9	37.4	38.0	36.9	36.9	36.9
85°	20.5	21.0	19.9	19.9	19.9	21.0	20.5	19.3	20.5	20.5	19.9
87.5°	7.6	7.0	7.0	7.0	7.0	7.0	7.6	8.2	8.2	8.2	8.8
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5
92.5°	85.8	82.4	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7
95°	291.3	280.9	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0
97.5°	672.3	652.6	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8
100°	944.1	920.6	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0
102.5°	1176.2	1156.1	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1
105°	1447.1	1436.2	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6
107.5°	1587.9	1590.5	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3
110°	1624.1	1635.3	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1601.1	1618.3	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6
115°	1522.9	1546.8	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2
117.5°	1415.0	1441.5	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7
120°	1342.3	1368.1	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1
122.5°	1269.6	1295.1	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6
125°	1173.4	1196.9	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7
127.5°	1096.2	1116.0	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1
130°	1047.5	1065.7	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1
132.5°	1006.0	1022.3	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7
135°	947.3	961.4	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1
137.5°	903.9	915.4	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0
140°	869.2	880.0	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7
142.5°	844.7	854.0	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0
145°	808.2	815.3	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0
147.5°	777.5	783.3	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4
150°	759.9	764.6	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7
152.5°	745.9	749.4	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2
155°	729.2	731.5	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5
157.5°	714.7	716.4	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8
160°	707.5	708.4	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3
162.5°	700.8	701.6	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0
165°	690.3	691.3	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2
167.5°	685.9	686.3	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1
170°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6
172.5°	682.2	681.8	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5
177.5°	676.3	675.9	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	618.2	618.2	618.2	618.2	618.2
2.5°	610.6	613.5	615.2	617.6	623.4
5°	587.1	598.3	601.8	610.6	621.1
7.5°	535.7	569.6	578.9	600.0	616.4
10°	486.0	519.9	536.3	586.0	610.6
12.5°	460.9	480.8	491.8	561.4	602.4
15°	445.1	459.1	467.3	528.7	593.0
17.5°	432.8	442.7	448.6	496.5	580.2
20°	425.2	429.8	435.1	473.2	565.5
22.5°	419.9	417.0	421.1	456.8	545.6
25°	416.4	405.3	409.9	443.9	522.3
27.5°	419.4	394.8	396.5	432.2	497.7
30°	419.9	381.9	382.5	419.9	470.2
32.5°	415.8	368.4	369.0	404.7	439.2
35°	405.8	352.7	352.0	387.2	397.1
37.5°	392.4	335.7	335.7	367.8	350.9
40°	376.0	318.7	320.5	342.7	309.9
42.5°	356.1	300.6	302.9	309.4	279.6
45°	334.5	283.1	284.8	261.4	256.1
47.5°	310.5	264.9	265.5	217.0	248.5
50°	281.9	246.2	243.9	186.0	248.0
52.5°	256.7	225.8	218.7	168.4	225.2
55°	232.1	204.1	188.9	155.0	208.8
57.5°	210.5	176.1	161.4	139.2	205.3
60°	190.6	148.5	137.4	122.3	188.4
62.5°	174.3	128.1	125.7	110.6	170.7
65°	156.7	114.1	113.5	100.6	145.0
67.5°	139.8	104.6	104.1	91.2	110.6
70°	121.6	94.7	93.6	81.3	81.9
72.5°	102.9	83.6	82.5	73.1	67.8
75°	84.2	70.7	70.2	63.7	54.9
77.5°	66.1	56.2	57.3	51.5	40.4
80°	47.4	40.9	42.1	36.9	30.4
82.5°	31.6	26.9	28.1	23.4	20.5
85°	17.5	15.2	15.8	12.3	9.3
87.5°	8.2	7.0	7.0	4.7	3.0
90°	19.9	12.6	11.8	8.1	4.5
92.5°	122.5	87.1	79.4	48.7	18.1
95°	301.5	169.8	155.7	99.5	43.3
97.5°	406.0	186.4	174.1	124.4	74.9
100°	444.1	200.5	189.2	144.3	99.3
102.5°	461.6	214.4	204.0	162.0	120.1
105°	474.6	235.3	226.4	190.9	155.3
107.5°	477.0	266.0	257.7	224.5	191.4
110°	473.3	283.1	275.6	245.7	215.8



TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	473.4	303.8	296.7	268.2	239.7
115°	477.9	335.0	328.5	302.2	275.8
117.5°	486.8	365.3	359.4	335.5	311.6
120°	494.0	382.9	377.3	354.8	332.3
122.5°	504.4	403.7	398.0	375.3	352.7
125°	518.3	430.3	425.1	404.4	383.8
127.5°	532.3	456.0	450.8	429.9	409.1
130°	542.6	473.2	467.6	445.1	422.6
132.5°	550.9	487.2	481.6	459.1	436.6
135°	559.8	503.4	498.3	477.9	457.4
137.5°	573.4	524.2	519.1	498.8	478.6
140°	581.7	538.2	533.5	514.8	496.2
142.5°	588.6	548.6	544.2	527.0	509.7
145°	597.6	564.4	560.6	545.5	530.5
147.5°	610.9	584.3	580.6	566.0	551.3
150°	617.8	594.6	591.3	578.1	564.8
152.5°	622.4	601.4	598.9	588.9	578.9
155°	632.2	616.3	614.4	607.0	599.6
157.5°	642.2	631.2	629.3	622.2	615.0
160°	646.7	638.0	636.6	630.9	625.3
162.5°	651.5	645.2	644.2	639.9	635.7
165°	658.5	655.6	654.6	650.8	647.0
167.5°	663.9	661.4	661.0	659.2	657.4
170°	668.4	668.2	667.8	666.0	664.1
172.5°	668.7	668.7	668.6	668.2	667.8
175°	671.4	672.8	672.8	672.8	672.8
177.5°	671.7	672.8	672.8	672.8	672.8
180°	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935432

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-4-3000K

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.21	8.89	9.34	10.02	11.58	11.01	11.69	12.14	12.82	14.38
	3H	8.67	9.28	9.81	10.42	12.00	12.33	12.94	13.47	14.07	15.66
	4H	8.85	9.44	10.00	10.57	12.16	12.76	13.34	13.91	14.47	16.06
	6H	8.96	9.50	10.12	10.64	12.23	13.02	13.56	14.18	14.70	16.29
	8H	8.96	9.47	10.12	10.62	12.21	13.09	13.60	14.25	14.75	16.34
	12H	8.92	9.41	10.09	10.55	12.17	13.12	13.60	14.28	14.75	16.36
4H	2H	9.21	9.79	10.37	10.93	12.51	11.39	11.98	12.55	13.11	14.70
	3H	10.22	10.71	11.38	11.86	13.46	12.87	13.36	14.04	14.52	16.12
	4H	10.49	10.94	11.65	12.08	13.70	13.39	13.83	14.55	14.98	16.60
	6H	10.60	10.99	11.77	12.16	13.77	13.73	14.12	14.90	15.29	16.90
	8H	10.61	10.96	11.78	12.12	13.75	13.83	14.19	15.00	15.35	16.98
	12H	10.56	10.89	11.75	12.06	13.69	13.87	14.20	15.06	15.37	17.00
8H	4H	10.92	11.28	12.09	12.44	14.07	13.50	13.86	14.67	15.02	16.64
	6H	11.18	11.47	12.37	12.68	14.30	13.92	14.21	15.11	15.42	17.04
	8H	11.22	11.47	12.41	12.66	14.30	14.06	14.32	15.26	15.50	17.15
	12H	11.19	11.42	12.39	12.60	14.27	14.15	14.37	15.35	15.55	17.23
12H	4H	10.92	11.24	12.11	12.42	14.05	13.45	13.78	14.64	14.95	16.58
	6H	11.23	11.49	12.43	12.67	14.32	13.91	14.17	15.11	15.35	17.00
	8H	11.29	11.52	12.49	12.70	14.37	14.06	14.29	15.26	15.47	17.14